

v. 17

Instruction Manual

Magnetic Switch

MPS010

SKYRC

Meet SkyRC Magnetic Switch

Effortlessly activate your RC model with a simple tap of a magnet. Securely integrated into your setup, it delivers seamless control and intuitive operation, eliminating the hassle of traditional switches.

Swipe and go: power with a magical tap!

Contents of the Box

1x MPS010 Switch Unit

1x Activation Magnet

1x User Manual

1x Location Sticker

Specifications

Item	Descriptions
Input Voltage	DC 3-13V
Standby Current	≤5uA (when output is off)
	≤3.5mA (when output is on)
Continuous Output Current	7A
Peak Output Current	10A
Magnetic Sensing Range	1.0–1.5cm above the LED indicator
LED Indicator	Green ON: active
	Green OFF: inactive
Power-On State	≤10 seconds: Previous state is restored
	>10 seconds: The switch enters a random state

Warning

- A short circuit or reversed supply polarity may damage the switch.
- Keep the switch away from strong currents, electric motors, and electromagnets.
- Ensure thorough testing of the installation before use.
- Improper use or incorrect connections will void any after-sales service.

Installation

1. Connect the switch to the battery and the device.

- Secure the switch inside the fuselage using silicone or foam, and apply the location sticker to indicate the activation area.
- Avoid Interference: Keep the switch away from other magnets, such as canopy magnets or brushless motors, to ensure proper operation.

Operating Instructions

1. Activating the Switch

- Place the magnet directly above the sensing area (1.0–1.5cm above the LED) to turn on the switch.
- The green LED will light up to indicate that power is being supplied to the output.

2. Deactivating the Switch

- To turn off the switch, pass the magnet again above the sensing area.
- The green LED will turn off, indicating that the power supply is disconnected.

3. State Retention After Power Loss

- If power is interrupted and restored within 10 seconds, the switch will resume its previous state.
- If the power is interrupted for more than 10 seconds, the switch's state (on/off) will be random upon restoration.

Troubleshooting

Issue	Possible Cause	Solution
Green LED doesn't light up	Power is not connected or the input voltage is incorrect	Check power connections and ensure the voltage is DC 3-13V
The switch does not activate/deactivate	The magnet is not placed correctly	Ensure the magnet is within the 1.0–1.5cm range above the LED
The Switch does not retain its state after power loss	Power interruption was longer than 10 seconds	Ensure power interruptions are minimized; the switch will reset after 10 seconds of power loss

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The manual is subject to change without notice;
please refer to our website for the latest version!

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